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NAVAL FACILITIES IN NORTH KOREA

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NAVAL FACILITIES IN NORTH KOREA

ABSTRACT

1. This report includes information on the North Korean naval order of battle and its deployment, naval bases and facilities including underground complexes and missile support areas, naval shipyards and ship repair yards, and ship construction.

2. This report is based on CHURCHDOOR, GIANT SCALE, and KEYHOLE photography and contains text, a map, four photographs, and five tables.

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INTRODUCTION

3. The North Korean Navy has grown from a force containing a few motor torpedo boats (PT) and motor gunboats (PGM) in the 1950's to one which now includes submarines (SS), guided missile patrol boats (PTG and PTFG), coastal escorts (PCE), and submarine chasers (PCS). The force is supported by 16 operational naval bases and two naval shipyards (Figure 1). Even though the naval bases and facilities are being expanded and improved, with special emphasis on underground complexes, the North Korean Navy has no major oceangoing combatants and is still primarily a coastal defense force.

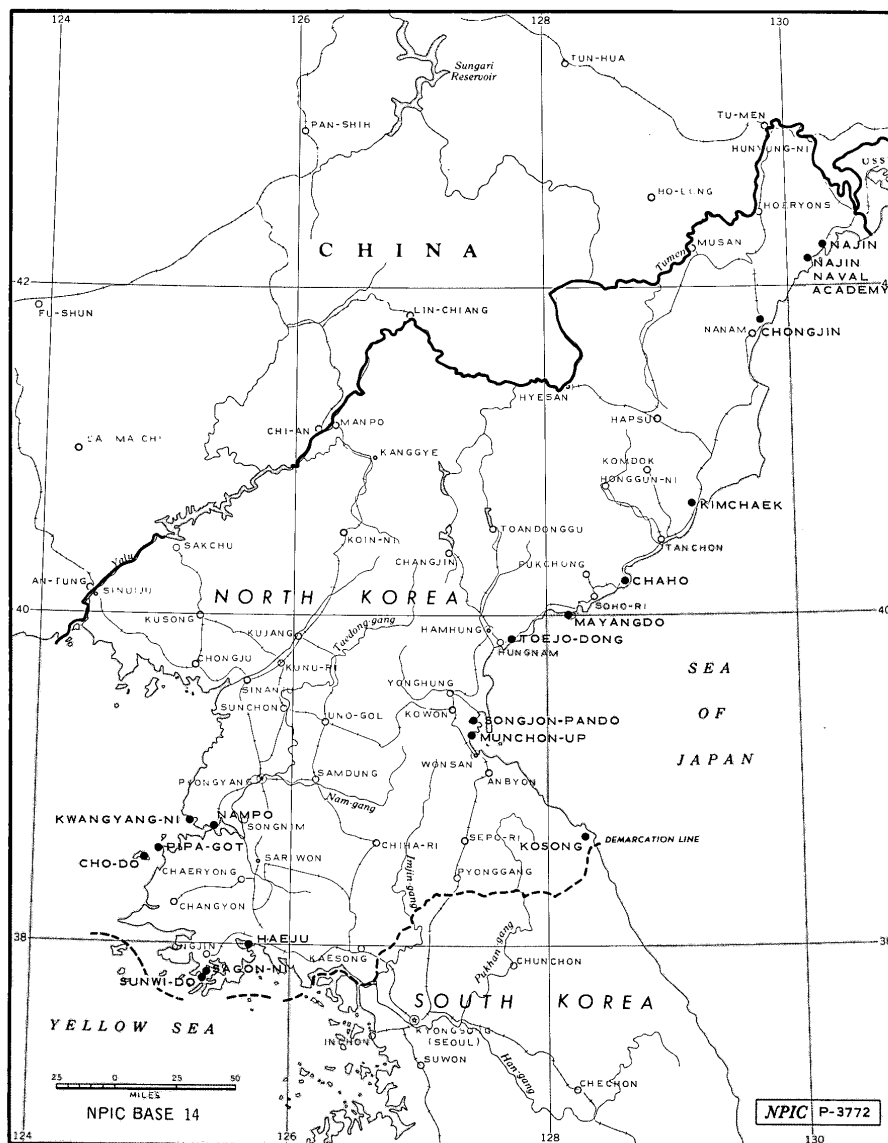


FIGURE 1. LOCATION MAP

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BASIC DESCRIPTION

Naval Order of Battle and Deployment

4. The North Korean Navy consists of two fleets. The West Coast Fleet operates in the Yellow Sea and is composed of motor torpedo boats and motor gunboats only (Table 1). The East Coast Fleet operates in the Sea of Japan and is composed of SS, PCE, PCS, large guided missile patrol boats (PTFG), small guided missile patrol boats (PTG), fast patrol boats (PTF), PT, and motor gunboats/motor boat submarine chasers (PGM/PTC) (Table 2).

5. [] the North Korean naval inventory consisted of 159 operational combatants and 24 combatants either under construction or partially dismantled. Of the operational craft, 57 were in the West Coast Fleet and 102 were in the East Coast Fleet.

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North Korean Naval Bases and Facilities

6. Sixteen naval bases or facilities in North Korea are operational. Two more are under construction.

7. The West Coast Fleet consists of one primary naval base, Nampo Supreme Naval Headquarters and Naval Base and Ship Repair Yard, and five secondary operational bases or facilities (Table 3). Sunwi-do Possible Naval Facility PUG is under construction.

Table 1. Operational Combatants in the West Coast Fleet

Number	Class	Usual Location***	Usual Number
30	PT*	Sagon-ni	11
		Nampo	4
		Kwangyang-ni	6
		Haeju	3
		Pipa-got	3
		Cho-do	3
27	PGM**	Haeju	10
		Nampo	11
		Sagon-ni	6

*PT classes include P-4, P-6, Sinhung, and Kosong.

**PGM classes include S.O. 1, Shanghai-II, P-6, MO-V, Cho-do, and K-48.

***PT deploy freely between bases. S.O. 1 PGM are infrequently observed at Cho-do and Pipa-got.

Table 2. Operational Combatants in the East Coast Fleet

Number	Class/Designator	Usual Location and Number
4	W SS	Chaho 2
		Mayangdo 2
4	Osa PTFG	Chaho 4
10	Komar PTG	Munchon-up 10
4	Sariwon PCE	Kosong 2
		Chongjin 1
		Munchon-up 1
1	T PCE	Chongjin 1
3	Shersten PTF	Chaho 3
8	S.O. 1 PCS	Chaho 6
		Mayangdo 2
57	PT*	Munchon-up 21
		Kosong 6
		Najin Naval Academy 9
		Songjon-pando 4
		Toejo-dong 11
		Chongjin 6
11	MO-V PGM/PTC	Chaho 7
		Munchon-up 4

*PT classes include P-6, Sinhung, Iwon, and Anju.

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8. The East Coast Fleet consists of two primary naval bases, Chaho Naval Base and East Coast Headquarters PUG (Figure 2) and Munchon-up Naval Base and Missile Support Facility, and eight other operational bases or facilities (Table 4). Kosong Possible Naval Facility PUG is under construction. Toejo-dong Naval Facility is being used by PT even though it is also under construction.

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Table 3. West Coast Naval Bases and Facilities

Installation Name and Geographic Coordinates	
Cho-do Naval Facility 38-32-09N 124-52-39E	
Haeju Naval Base 37-59-47N 125-41-59E	
Kwangyang-ni Naval Facility 38-44-25N 125-13-30E	
Nampo Supreme Nav Hq A Nvb A Shp Rp Yd 38-42-59N 125-23-12E	
Pipa-got Naval Base and Ship Repair Yd 38-35-29N 124-59-29E	
Sagon-ni Naval Facility 37-49-23N 125-20-57E	
Sunwi-do Poss Naval Facility PUG 37-46-10N 125-20-18E	

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Table 4. East Coast Naval Bases and Facilities

Installation Name and Geographic Coordinates	
Chaho Nvb A East Coast Hq PUG 40-12-26N 128-38-58E	
Chongjin Naval Base 41-46-32N 129-49-56E	
Kimchaek Naval Base 40-39-32N 129-12-27E	
Kosong Naval Base Changjon 38-44-14N 128-11-32E	
Kosong Poss Nav Fac PUG 38-43-55N 128-12-58E	
Mayangdo Submarine and Naval Base 39-59-39N 128-12-42E	
Munchon-up Boatyard A Naval Fac East 39-18-56N 127-25-38E	
Munchon-up Naval Base A Msl Spt Fac 39-17-59N 127-23-58E	
Najin Naval Academy 42-09-24N 130-12-04E	
Najin Naval Facility 42-13-44N 130-17-30E	
Songjon-pando Nvl Base W/Ptl Bt Pen UG 39-22-17N 127-26-44E	
Toejo-dong Naval Facility 39-52-20N 127-47-00E	

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Missile Support Areas

13. Support facilities for the SS-N-2 STYX missile, an antiship surface-to-surface missile (SSM), are at Songjong-pando Missile Support Facility PUG [] 39-21-44N 127-25-17E) (Figure 4) and at Chaho Naval Missile Support Facility PUG [] 40-13-15N 128-38-56E). These missile storage and maintenance facilities consist of support and storage buildings and caves. STYX missile crates and ground support equipment have also been observed at these facilities. The STYX missile is the primary armament of the four Osa PTFG at Chaho and the ten Komar PTG at Munchon-up Naval Base and Missile Support Facility and Munchon-up Boatyard and Naval Facility East.

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Naval Shipyards and Ship Repair Yards

14. New vessel construction and ship maintenance are done at ten facilities. New vessels are built at Najin Shipyard Number 28 on the east coast and Nampo Shipyard on the west coast. Najin Shipyard Number 28 (Figure 5) currently produces the Najin destroyer escort (DE), Sariwon PCE, P-6 and Sinhung PT, and Hanchon utility landing craft (LCU). Nampo Shipyard currently produces the Najin DE, P-6 and Sinhung PT, P-6 PGM, and river patrol craft (YP).

15. Naval bases with ship repair facilities are on both coasts (Table 5). East coast repair yards are at Kimchaek, Mayangdo, Munchon-up, and Najin. Of these, Kimchaek is the only yard without a graving dock. West coast repair yards are at Haeju, Nampo, Pipa-got, and Sagon-ni. The graving dock at Pipa-got is the only one on the west coast.

Ship Construction

16. The first vessel construction program began with the laying down of a Sariwon PCE prior to [] 25X1 [] at Najin Shipyard Number 28. Four of the [] vessels had been completed [] 25X1 the Najin yard began production of Kosong and Anju PT, Sinpo PGM, and Hanchon LCU. [] P-6 and Sinhung PT production was first observed at Najin. 25X1

17. P-6 PT production was first observed at Nampo [] Two Cho-do PGM were observed fitting-out at Nampo [] Sinhung PT appeared [] 25X1 25X1

18. The Najin DE was first observed under construction at Najin [] Construction is continuing on this vessel as well as on a second of its class at Nampo. [] 25X1 25X1 25X1

Shipbuilding Capabilities

19. The Najin DE is the largest combatant constructed by the North Koreans. [] 25X1 [] Progress has been quite slow on these two vessels. A weapons mounting ring which could possibly be used for a multiple-tube torpedo or a STYX-type SSM launcher was observed on the DE under construction at Najin. 25X1

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Table 5. North Korean Naval Shipyards and Ship Repair Yards

Installation Name and Geographic Coordinates	
East Coast	
Kimchaek Naval Base 40-39-32N 129-12-27E	
Mayangdo Naval Repair Yard 39-59-45N 128-12-02E	
Munchon-up Naval Base A Msl Spt Fac 39-17-59N 127-23-58E	
Najin Ship Repair Facility 42-14-00N 130-17-30E	
Najin Shipyard Number 28 42-13-48N 130-17-31E	
West Coast	
Haeju Ship Repair Yard 37-59-39N 125-42-15E	
Nampo Shipyard 38-43-06N 125-23-54E	
Nampo Supreme Nav Hq A Nvb A Shp Rp Yd 38-42-59N 125-23-12E	
Pipa-got Naval Base and Ship Repair Yd 38-35-29N 124-59-29E	
Sagon-ni Naval Facility 37-49-23N 125-20-57E	

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20. The North Korean shipyards and ship repair yards can build small-to-medium combatants and easily handle routine maintenance and hull repair.

REFERENCES

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MAPS AND CHARTS

ACIC Chart. Series ONC, Sheets F-9 and G-10, scale 1:1,000,000

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